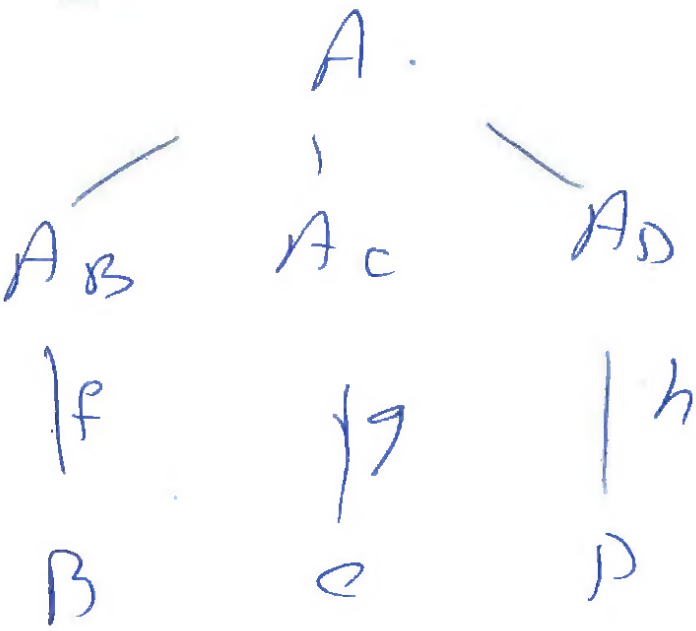
$$\langle A \rangle_{\mathcal{H}} = \int_{\Lambda} [A](\lambda)\, \rho(\lambda)\, d\lambda$$



$$\begin{tikzcd}
 & A \arrow[dl, dash] \arrow[d, dash] \arrow[dr, dash] & \\
A_B \arrow[d, dash, "f"] & A_C \arrow[d, dash, "g"] & A_D \arrow[d, dash, "h"] \\
B & C & D
\end{tikzcd}$$

~~$A_B = f($~~ $\hat{A} = f(\hat{B}) = g(\hat{C}) = h(\hat{D})$